
**IN-CAR
TELEPHONE**

Foreword



In-car Telephone Handbook

JAGUAR CARS LIMITED, as manufacturer, is dedicated to the design and production of vehicles which meet the expectations of the world's most discerning purchasers.

This handbook forms part of the owner literature supplied with your vehicle. It is designed to complement the relevant features and systems of the vehicle, and make them easy to understand and operate.

The information contained in this handbook applies to a range of vehicles and not to a specific vehicle. For the specification of a particular vehicle, owners should consult their Jaguar Retailer.

The manufacturer reserves the right to vary its specifications with or without notice, and at such times and in such manner as it thinks fit. Major as well as minor changes may be involved in accordance with the Manufacturer's policy of constant product improvement.

To cover changes, it is sometimes necessary to issue one or more handbook supplements. When reading this handbook, check the owner literature for possible supplements.

For full details of the owner literature originally supplied with the vehicle, owners should consult their Jaguar Retailer.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form, electronic, mechanical, photocopying, recording or other means without prior written permission from the Service Division of Jaguar Cars Limited.

Contents

1. General information

Introduction	1-1
Safety recommendations	1-2

2. Handsfree controls

Audio panel controls	2-1
Steering wheel controls	2-2
Audio panel controls	2-2

3. Handsfree operation

Receiving a call	3-1
Making a call	3-1

4. Additional information

Continuity of calls	4-1
Changing a phone number	4-1
Caller identity option	4-1
DTMF Tones	4-1

A comprehensive index is located at the back of this handbook.

Introduction

Your in-car telephone can be used as a handsfree system or as a conventional portable handset. To enjoy optimum performance from the system, only a Jaguar approved and supplied V60 portable handset should be used.

Incorporating the latest advances in digital technology, this will provide your system with superior performance under the most demanding conditions.

Note: As with all radio frequency operated telephones, the performance of your in-car system is dependent upon network availability and strength.

Handsfree system

For handsfree operation the handset must be correctly installed in the cradle in the centre console storage compartment. Interfacing with an overhead, directional microphone and the audio system speakers, the phone can then be operated via the keypad and phone buttons on the audio panel, and/or the steering wheel switches.

Note: It is not necessary to extend the handset aerial, as the vehicle antenna is used in handsfree mode.

Conditions for handsfree operation

Whilst your Jaguar Retailer will have ensured that the phone is correctly set up for handsfree operation, the following pre-requisites must be satisfied:

- The phone must be connected to a cellular network and unlocked.
- The handset must be correctly installed in the cradle.
- The vehicle ignition switch must be in position I (auxiliary) or II (ignition).

Note: The radio, cassette tape or CD player can be OFF or ON.

For handset operating details, refer to the telephone manufacturer's handbook.

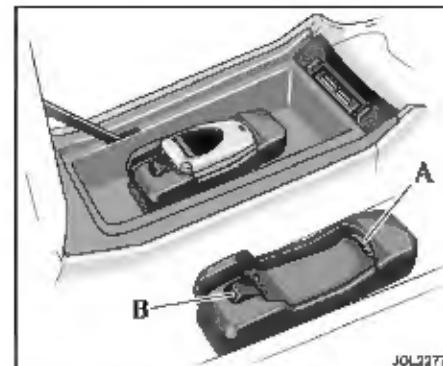
Phone volume adjustment

Independent adjustment of phone volume can be carried out using the audio panel or steering wheel switches. The set volume is memorised and will not affect other audio volume settings.

If the audio system is in use when the phone becomes active, the audio source is suppressed for the duration of the call.

Audio panel display

Phone related messages are shown on the audio panel display when the phone system is active.



To remove or install the handset

To remove the handset from the cradle, press button (B). Lift the top of the handset and slide it away from the connector (A).

To install the handset in the cradle, retract the extendable aerial, locate the base of the handset in the cradle and slide it onto the connector (A).

Finally press down on the top of the handset until it is fully engaged on the clip below button (B).

Caution: Ensure the handset is folded to the closed position before lowering the armrest.

1-2 General information

Safety recommendations



WARNING:

Read this information before using your portable phone.

Exposure to radio frequency signals

Your portable telephone is a low power radio transmitter and receiver. When it is switched ON, it receives and sends out radio frequency (RF) signals.

International authorities have set standards and recommendations for protection of the public from exposure to RF electromagnetic energy.

Your telephone is designed to satisfy all international requirements when used as described in this handbook.

Antenna care

Only approved Jaguar antennae should be installed on the vehicle. The use of unauthorized antennae can damage the phone and may violate local authority regulations.

Phone operation

Do not operate your portable telephone when a person is within 4 inches (10 centimetres) of the vehicle antenna. A person positioned within this range of the antenna can adversely affect phone performance and may cause the phone to operate at abnormally high power levels exposing that person to excessive RF energy levels.

Driving

Check local regulations on the use of portable telephones in the areas where you drive and always obey them. Observe the following guidelines when using your phone while driving:

- Give full attention to driving – safe driving is your first responsibility.
- Always use handsfree operation when driving.
- When receiving a call, if driving conditions demand, pull off the road and park.

Electronic devices

Most modern electronic equipment is shielded from RF signals. However, certain equipment may not be shielded against the RF signals from your portable phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of 6 inches (15 centimetres) is maintained between a wireless phone antenna and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers should:

- Preferably use the vehicle handsfree phone system.
- ALWAYS keep the phone more than 6 inches (15 centimetres) from their pacemaker when the phone is switched ON.
- Turn the phone OFF immediately if there is any reason to suspect that interference is taking place.

Other medical devices

If you use any other personal medical device, consult the manufacturer of your device, or your doctor, to determine that it is adequately shielded from external RF energy.

Turn your phone OFF in health care facilities when any regulations posted in such areas instruct you to do so.

Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect non-Jaguar or improperly installed equipment.

Always consult the manufacturer of any equipment that has been retro-fitted to your vehicle.

Posted facilities

Turn your phone OFF in any facility where posted notices so require.

Blasting areas

To avoid interfering with blasting operations, turn your phone OFF when in a blasting area or in areas posted: 'Turn off two-way radios'. Obey all signs and instructions.

Potentially explosive atmospheres

Areas with a potentially explosive atmosphere are often but not always clearly marked. Turn your phone OFF when you are in such an area, as the use of unapproved electrical equipment can cause an explosion or fire resulting in bodily injury or death.

For vehicles equipped with an airbag

Airbags inflate with great force.

Do NOT place objects, including both installed or portable wireless equipment, in the area over an airbag or in the airbag deployment area. If in-vehicle wireless equipment is improperly installed and the airbag inflates, serious injury could result.

Handsfree controls 2-1

Audio panel controls

1. ON/OFF switch and volume control.
2. Mode.
3. Phone send and end.
4. Phone memory recall.
5. Phone key pad – buttons 0 to 9.
6. Phone mode.
7. Display.
8. Phone clear.

Display messages

The following is a list of messages that may be displayed:

CALL – There is an incoming call.

CALL ENDED – Current call is terminated.

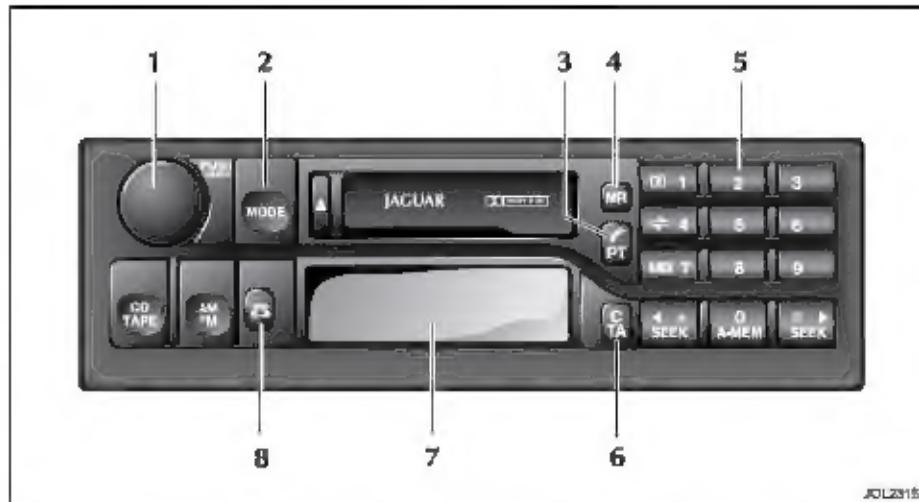
CALLING – Outgoing call.

EMPTY – Memory location is empty.

MESSAGE – A new Short Message Service note has been received.

MESSAGE n (n is message number) – Indicates number of messages available for viewing.

MISSSED CALL – To return to audio mode following a missed call, press either the AM/FM button, or the CD/TAPE button.



NO SERVICE – No cellular service available.

PHONE – System is entering phone mode.

PIN – The phone is locked.
Enter unlock (PIN) code on the handset keypad.

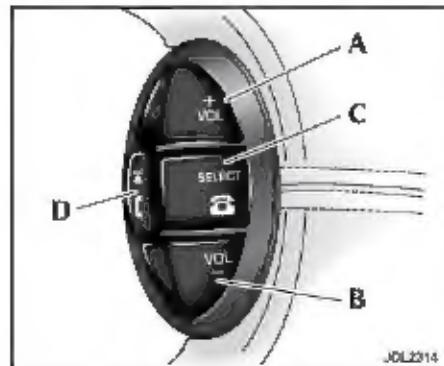
ROAM – Phone connected to different network from 'home' system and an indication of signal strength.

SIG – Indication of signal strength.

SYSTEM BUSY – Cellular system is busy when call is attempted.

2-2 Handsfree controls

Steering wheel controls



Four control buttons are situated on the left-hand side of the steering wheel. These buttons override the functions of the similar buttons on the audio panel:

- A. Press to increase volume.
- B. Press to decrease volume.
- C. Press and hold to access phone mode. Momentarily press and release to exit phone mode.
- D. Press and release to scroll up to next memory location.

Press and hold for 2 seconds to send and end a call.

Audio panel controls

Volume control and fader

Phone volume can be adjusted from the audio panel or the steering wheel switches and the volume set is memorised for future calls (this will not alter the other audio volume settings).

To adjust, operate the ON/OFF volume control while the system is in phone mode.

If the audio system is in use when the phone becomes active, the audio system source is suppressed for the duration of the call.

To adjust front/rear fade: With the system in phone mode, press the audio panel MODE button. With FADE displayed, use the ON/OFF volume control to set fade to preferred level.



Phone mode

This button will activate the phone in readiness to make a call. The audio panel display will indicate that phone mode has been selected.

This function can also be controlled from the steering wheel (press and hold for 2 seconds button C on steering wheel switchpack).



Audio panel key pad

Press digits to enter the required telephone number. Each key press will display the digits on the audio panel.

Also used in **Memory Recall** to enter a location number, or scroll up and down the memory locations.

Handsfree controls 2-3



Clear

Momentarily press to clear the last digit from the entered telephone number.

Press and hold this button for 2 seconds to clear all of the digits entered.



CD or TAPE

When a call has ended, press this button to cycle through CD, Tape or insert a tape function.

Note: These buttons are inoperative during a handsfree telephone call.



Band switches AM and FM

Pressing this button selects radio operation (when a call has ended).



Send and end

Press this button to send the entered telephone number. Also used to end a call that is in progress.

This function can also be controlled from the steering wheel, (press and hold button D for 2 seconds shown on page 2-2).



Memory recall

Press to access the phone memory and recall a number. Either a memory location number can be entered from the key pad, or memory locations can be scrolled up and down from the key pad scroll buttons.

This function can also be controlled from the steering wheel (momentarily press button D shown on page 2-2).

Note: Memory locations can only be chosen numerically.



Receiving a call

An incoming call automatically switches the sound system into the phone mode. The audio panel display will show CALL, and ringing is heard through the sound system.

1. **To answer:** Press and hold the  switch on the steering wheel for 2 seconds, or press  on the audio panel. SIG or ROAM is displayed.
2. **To end:** Press and hold the  switch on the steering wheel for 2 seconds or press  on the audio panel.
3. **To exit:** When the call has ended the radio will automatically leave phone mode after two seconds. If the radio, cassette or CD was OFF, the system will return to OFF.
4. **MISSSED CALL:** To return to audio mode following a missed call press either the AM/FM button or the CD/TAPE button.

Making a call

When making a call, there are five methods of dialling.

Audio panel keypad, turbo, memory recall and last number redia

Keypad dialling

1. **To dial:** Press and hold the  switch on the steering wheel or press  on the audio panel. PHONE is displayed for two seconds followed by SIG or ROAM.
2. **Key in the phone number on the audio panel keypad:** The number is displayed.
3. **To connect:** Press and hold the  switch on the steering wheel or press  on the audio panel. When the call is connected the display shows SIG or ROAM.
4. **To end:** Press and hold the  switch on the steering wheel or press  on the audio panel.
5. **To exit:** Press the  switch on the steering wheel or press a source button, AM, FM, TAPE or CD.

Note: If the steering wheel switch or source button is not pressed within 10 seconds, the audio system will return to the previously selected mode. If the radio, cassette or CD was OFF, the audio system will return to OFF.

3-2 Handsfree operation

Turbo dialling

Note: Turbo dialling is only available from the phone memory (buttons 1 to 9)

1. **To dial:** Press and hold the  switch on the steering wheel, or press  on the audio panel.

PHONE is displayed for two seconds followed by SIG or ROAM

2. On the audio panel keypad, press and hold the required turbo dialling memory location number 1 to 9
After three seconds a beep sounds and the call is placed.
3. **To end:** Press and hold the  switch on the steering wheel or press  on the audio panel.
4. **To exit:** Press the  switch on the steering wheel or press a source button, AM, FM, TAPE or CD

Note: If the steering wheel switch or source button is not pressed within 10 seconds, the audio system will return to the previously selected mode
If the radio, cassette or CD was OFF the audio system will return to OFF

Memory recall dialling (audio panel buttons only)

1. **To dial:** Press and hold the  switch on the steering wheel or press  on the audio panel
PHONE is displayed for two seconds followed by SIG or ROAM
2. Press the MR button followed by the digits 00 on the keypad.
The last number dialled is displayed.
To access previous dialled numbers, press * or # to scroll
3. To initiate the call press  on the audio panel.
4. On the audio panel keypad, press the required memory number
Press the  button (for memory recall location 1) or the  button (for the highest stored location number), then repeatedly press either button to scroll through until you reach the required location number

Note: You can key in any number in the phone book, then use the arrow keys to scroll up and down.

The memory location number is displayed followed by the location name and then the location phone number

5. **To connect:** Press and hold the  switch on the steering wheel or press  on the audio panel
SIG or ROAM is displayed when the call is connected.
6. **To end:** Press and hold the  switch on the steering wheel or press  on the audio panel.
7. **To exit:** Press a source button, AM, FM, TAPE or CD.

Note: If the steering wheel switch or source button is not pressed within 10 seconds, the audio system will return to the previously selected mode.
If the radio, cassette or CD was OFF, the audio system will return to OFF

Handsfree operation 3-3

Memory recall dialling

(Steering wheel switches only)

Note: Memory recall dialling cannot be achieved by using the MR button on the audio panel in conjunction with the steering wheel controls.

1 To dial: Press and hold the  switch

PHONE is displayed for two seconds followed by SIG or ROAM

2 Press the  switch

The lowest occupied location name is displayed, followed by the number

1 If you require a higher location number: repeatedly press the  switch until you obtain the required number

The display shows the next occupied location number each time the switch is pressed.

Shortly after the last press, the display shows the location name followed by the number

4 To connect: Press and hold the  switch on the steering wheel or press  on the audio panel.

SIG or ROAM is displayed when the call is connected.

5 To end: Press and hold the  switch on the steering wheel or press  on the audio panel.

6 To exit: Press the  switch on the steering wheel or press a source button, AM, FM, TAPE or CD

Note: If the steering wheel switch or source button is not pressed within 10 seconds, the audio system will return to the previously selected mode. If the radio, cassette or CD was OFF, the audio system will return to OFF.

Last number redial

Note: Last number redial recall is the phone number of the last handsfree call made since the ignition was switched on. When the ignition is switched off, the last number called is lost from the system memory. The last call made on the handset cannot be recalled during handsfree operation.

1 To dial: Press and hold the  switch on the steering wheel or press  on the audio panel.

PHONE is displayed for two seconds followed by SIG or ROAM

Note: If the last number was dialled using keypad dialling, you can change the number by pressing the clear C button. If the last number was dialled using memory recall dialling, you can only scroll through the memory recall numbers, but cannot change them.

2 To connect: Press and hold the  switch on the steering wheel or press  on the audio panel

SIG or ROAM is displayed when the call is connected

3 To end: Press and hold the  switch on the steering wheel or press  on the audio panel

4 To exit: Press a source button, AM, FM, TAPE or CD.

Note: If an audio source button is not pressed within 10 seconds, the audio system will return to the previously selected mode. If the radio, cassette or CD was OFF, the audio system will return to OFF.

3-4 Handsfree operation

Short message service (SMS)

Note: In handsfree mode, messages can only be read, they cannot be sent.

If an SMS message is received when the phone is not in use, MESSAGE appears for 5 seconds on the lower line of the audio panel display. A tone is then heard and the display reverts to the previous status.

To access the message press MR on the audio panel keyboard. The message number will then be displayed followed by the text of the message.

If an SMS message is received during a call, on completion of that call, a tone is heard and MESSAGE is displayed.

To view previous SMS messages, scroll using the   buttons while MESSAGE is displayed on the audio panel.

To exit SMS mode, press the C/TA or CLEAR button on the audio panel.

Electronic lock feature

For details of the electronic phone lock facility, refer to the telephone manufacturer's handbook.

If the phone is locked, the handset display will show PIN on entering phone mode. To unlock the phone, enter the unlock code using the headunit keypad



WARNING:
Enter your PIN code BEFORE driving away.

Continuity of calls

With a call in progress in handsfree mode, the call remains connected if the vehicle ignition switch is turned to position 0 (OFF). When the call ends, another call cannot be made or received unless the ignition switch is turned to position 1 (auxiliary) or II (ignition).

Changing a phone number

When making a call, you can change the phone number shown on the audio display using the C/TA or CLEAR button on the audio panel.

A momentary press erases any single digit, a long press erases the complete number.

Caller Identity option

The caller ID option enables the caller's name to be displayed on the audio panel as the call is being received.

If the cellular provider cannot identify the number CALL will be displayed.

Note: If the cellular provider caller ID function recognises a number/name in the handset 'Phone Book', the number or name will be displayed on the audio panel. On answering the call, the number or name will be replaced by SIG or ROAM.

DTMF Tones

While in a call you can transmit DTMF (Dual Tone Multi Frequency) tones, to remotely control equipment such as an answering machine, by keying in the appropriate numbers on the radio keypad. The numbers entered will show on the radio display until the call ends. This feature can be keyed by using either the radio keypad or the phone keypad.

Index

Audio panel controls	
– Display messages	2-1
Audio panel display	1-1
Caller Identity option	4-1
Changing a Phone Number	4-1
Conditions for handsfree operation	1-1
Continuity of calls	4-1
Controls	
– Audio panel key pad	2-2
– Band switches AM and FM	2-3
– CD/TAPE button	2-3
– Clear button	2-3
– Memory recall button	2-3
– Phone mode button	2-2
– Send/end button	2-3
– Volume control and fader	2-2
DTMF Tones	4-1
Electronic lock feature	3-4
General information	1-1
Introduction	1-1
Making a call	3-1
– Keypad dialling	3-1
– Last number redial	3-3
– Memory recall dialling (audio panel buttons)	3-2
– Memory recall dialling (steering wheel)	3-3
– Turbo dialling	3-2
Receiving a call	3-1
Removing and installing the handset	1-1
Safety recommendations	
– Antenna care	1-2
– Driving	1-2
– Electronic devices	1-2
– Exposure to radio frequency signals	1-2
– Pacemakers	1-2
– Phone operation	1-2
Short message service (SMS)	3-4
Steering wheel controls	2-2
To remove or install the handset	1-1
Volume adjustment	1-1

JJM 18 31 14/35